

WELCOME TO OUR
NEWSLETTER
DEVELOPED TO KEEP
YOU INFORMED AND IN
TOUCH

Special points of interest:

- 2010 Annual Stakeholders Meeting Announcement
- Going Green
- City Launches New Web Site

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City of Raleigh Biosolids



Volume 6, Issue2

September 2010

2010 Annual Stakeholders Meeting Going Green

As one of our valued stakeholders, you are invited to attend our annual stakeholders meeting being held on **Wednesday, September 22, 2010 from 6:30 – 7:30 p.m.** at the Neuse River Wastewater Treatment Plant, Training Room C, 8500 Battle Bridge Road, Raleigh, NC 27610. We will be reviewing our Biosolids Environmental Management System (EMS) with you and presenting our draft program goals and objectives for 2011 for your review and comment. We hope you will take this opportunity to stop by and find out more about the biosolids program at the Neuse River Wastewa-

ter Treatment Plant.

We will also be providing you with updates regarding construction at the plant, future development in the local area and variance request status and updates. This is an opportunity for you to ask questions and find out what's happening in and around the plant.



If you would like to be "green" and save a few trees by receiving this newsletter and other program information electronically, please forward your email address to

Marti.gibson@raleigh.gov. We will compile a distribution list of stakeholders and will be more than happy to email you future newsletters and program information.



City Launches New Web Site

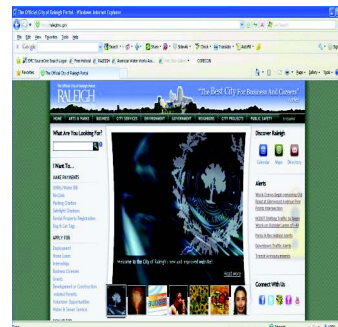
The City of Raleigh's website has undergone some big changes, all with you in mind!

But this is no mere redesign, we have rebuilt our website from the ground up, including a completely new look, a vastly improved search, better calendar functionality, easier to find URLs and, in general, a more user-friendly experience. We've also added some terrific map functionality and showcased our use of social media.

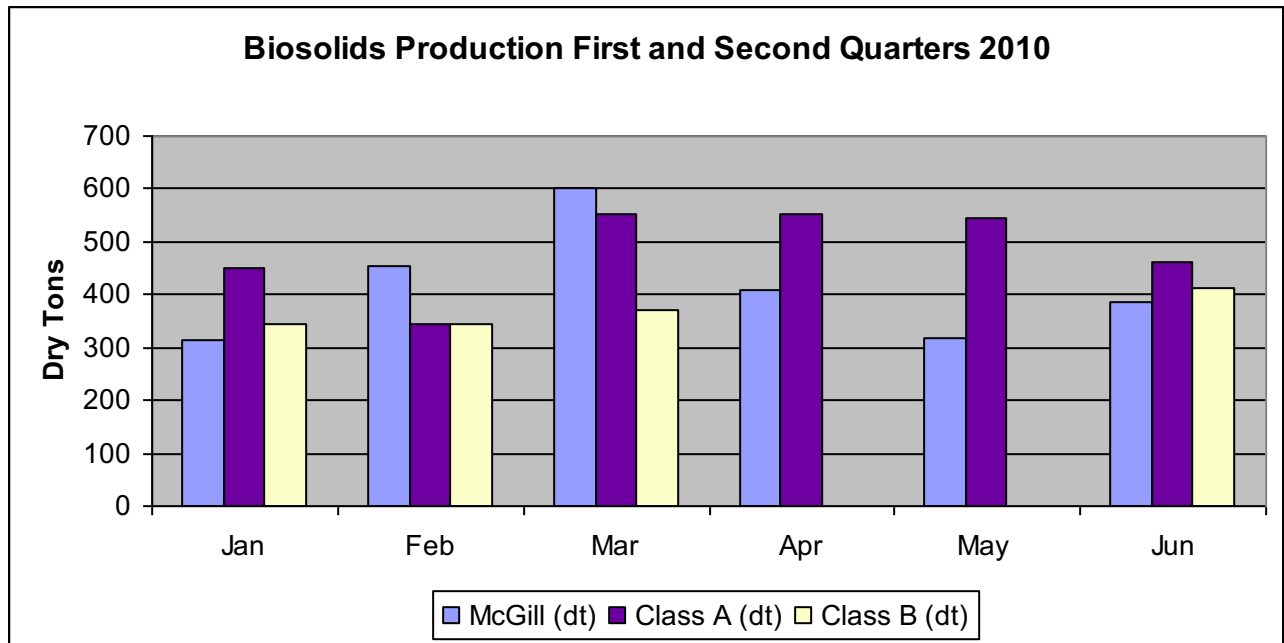
After more than a year of planning, including public focus groups, dedicated committees, and individual training sessions, we think the new site will become of greater value to you and a place you will visit more often.

If you'd like a video tutorial of the site, we have a new YouTube video just for you! This video covers all the new features of the site. To access the video, go to www.youtube.com/watch?v=6_RF242zIGo.

Be sure to check us out at www.raleighnc.gov. There is even a survey to give your opinion of the new website.

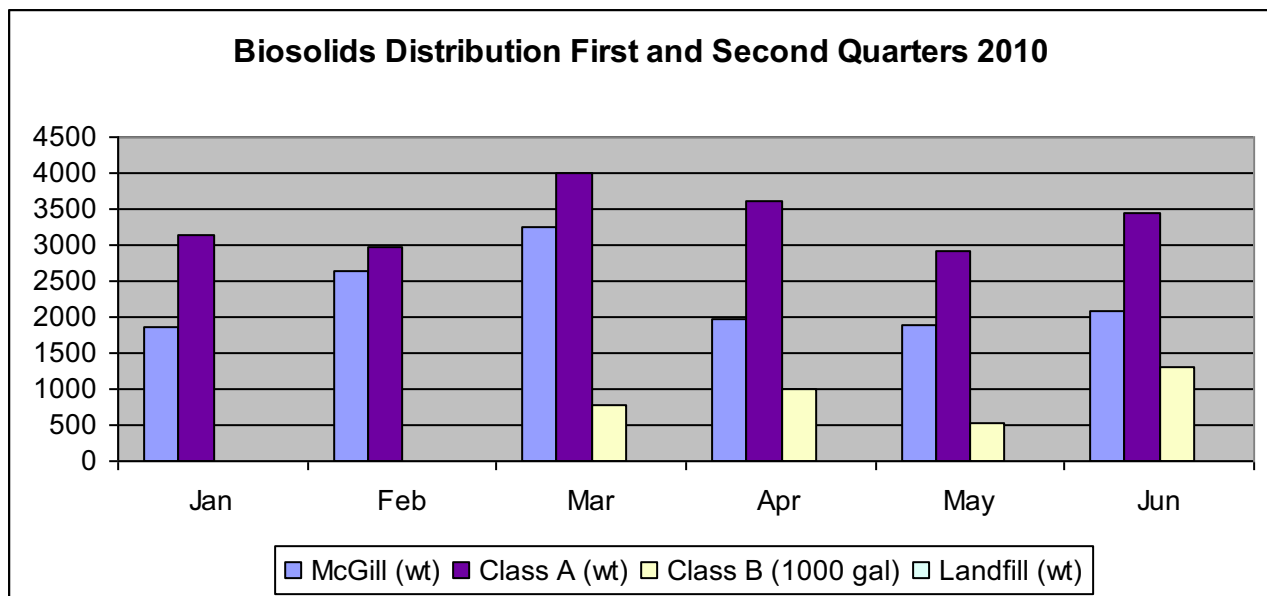


2010 Biosolids Production & Distribution



The chart above demonstrates the amount of biosolids produced by the NRWTP through the second quarter of 2010. The majority of the solids produced is a Class A fertilizer product, which is the highest quality of biosolids that can be produced.

The chart below demonstrates the amount of biosolids distributed from the NRWTP through the second quarter of 2010. All the biosolids produced at the NRWTP are beneficially reused and distributed, leaving no significant storage of biosolids on-site. No biosolids were sent to the landfill during this timeframe.



Addition of Centrifuge to Dewatering Capability

A capital improvement project was recently completed at the Neuse River WWTP to add dewatering capacity to the existing dewatering capabilities. Until recently, dewatering was accomplished by belt pressing the water out of the sludge on any one of our three – 2 meter belt presses. The three belt presses typically operate approximately 16 hours a day, 6 days a week and produce a solid material that is approximately 22% solids. The solid material is then treated to achieve Class A status or transported off-site for composting. The addition of the centrifuge has resulted in reduced run time for all dewatering equipment as well as a drier final product. The centrifuge produces a solid material that is approximately 25% solids while the belt presses produce a material that is 22% solids. The 3%

difference is water not removed and ultimately translates to cost in terms of hauling and disposal. Basically, the centrifuge produces a drier material and does so in an enclosed vessel that prevents odor from escaping the dewatering process.



Future Items of Interest



The next interim audit of the EMS is tentatively scheduled for December 2010. If you would like to observe this audit, please contact Marti Gibson at 662-5700 or Marti.gibson@raleighnc.gov for more details.

Mitigation Plan for NRWTP

In 2002 the City of Raleigh along with their consultants conducted a Comprehensive Site Assessment (CSA) and later supplemented this investigation with a Supplemental Site Assessment (CSA). Soon after, the City filed a variance application agreeing to debit the total nitrogen effluent limit by 123,000 pounds for the subsequent years (decreasing over time). The City also agreed to study alternatives to address increased nitrogen loads to surface waters in the area of the Neuse River Wastewater Treatment Plant. This alternative report was completed in 2008 and the design of three subsurface flow constructed wetlands soon followed. Much of the work will be completed by September. The work includes the construction and installation of impoundments, constructed wetlands, and piping structures. Once completed, the operation of these wetlands will be closely monitored and their effectiveness

will be recorded. The goal of these systems is to reduce the contribution of nitrogen to the Neuse River by intercepting three identified streams that intersect several land application fields. Based on the history of these technologies, specific groundwater data and site conditions, the City expects to see a reduction in nitrogen contribution to the river via these stream systems.



Don't forget to mark your calendar for the upcoming stakeholders meeting on Wednesday, September 22, 2010, 6:30 p.m. at the Neuse River Wastewater Treatment Plant. Please plan to attend and bring a neighbor with you. We hope to see you there!

City of Raleigh Public Utilities

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We're on the web!
www.raleighnc.gov

NRWWTP Staff and Contacts

Two Divisions (Wastewater Treatment and Reuse) are based at the NRWWTP and both work closely to achieve common goals.

The Wastewater Treatment Division is composed of five programs: Administration, Laboratory, Plant Operations, Plant Maintenance and Remote Facilities (pump stations, odor control and air release valves).

The Reuse Division has four programs including Administration, Land Management, Wrenn Road WWTP (spray irrigation) and Pretreatment.

There are approximately 106 employees working at this facility, which is a 24 hour per day/seven day a week operation.

If you have questions or concerns, please feel free to contact us:

John Carman, Public Utilities Director, (919) 857-4540 or Carman@raleighnc.gov

Kenny Waldroup, Asst. Public Utilities Director, (919) 857-4540 or Kenneth.Waldroup@raleighnc.gov

Marti Gibson, Environmental and EMS Coordinator, (919) 662-5700 or Marti.Gibson@raleighnc.gov

Tim Woody, Reuse Superintendent, (919) 662-5700 or Tim.Woody@raleighnc.gov

T J Lynch, WWTP Superintendent, (919) 662-5700 or TJ.Lynch@raleighnc.gov

